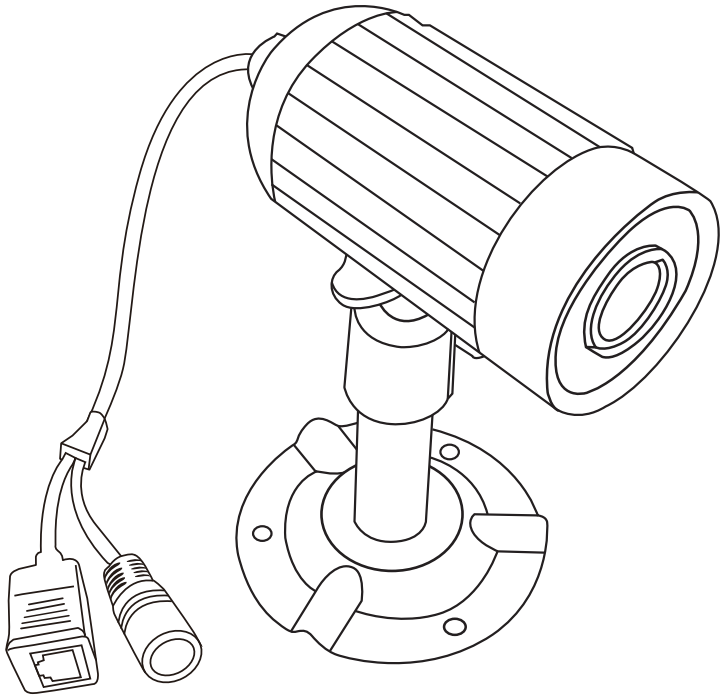
User's Manual

Model No.: IP-562M

Motion-JPEG IP Camera with Plug n Play Network Remote Viewing Function



PLEASE READ CAREFULLY AND SAVE

This manual contains important information about this product's operation. If you are installing this product for others, you must leave this manual -or a copy- with the end user.

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What You Get ——— 1
FCC/ CE ——— 2
Knowing the Camera ——— 3
Camera Installation ——— 3
Product Specification ——— 6
Software Installation ——— 7

What You Get

(1) IP Camera
(2) Power adaptor
(3) Camera stand
(4) Network cable
(5) Screws
(6) Software CD
(7) Manual

Important Safety Precautions

Please read before installing and using this product

Damages caused by non-compliance with this operating manual will void the warranty! We will not assume any liability for damages to items or persons caused by improper handling or non-compliance with the safety notices! Any warranty claim will be null and void in such cases.

1. Do not drop, puncture or disassemble the camera or receiver; otherwise the warranty will be voided.
2. Avoid all contact with water, and dry hands before using.
3. Never tug on the power cords. Use the plug to unplug it from the wall outlet.
4. Do not expose the camera or receiver to high temperature or leave it in direct sunlight. Doing so may damage the camera or cause camera temporary malfunction.
5. Use the devices with care. Avoid pressing hard on the camera or receiver body.
6. For your own safety, avoid using the camera or power off the camera when there is a storm or lightning.
7. Remove the power adapter during long periods between usages.
8. Use only the accessories and power adapters supplied by the manufacturer.
9. To meet the regulations pertaining to parental responsibility, keep the devices out of the reach of infants.
10. Check power cables, do not get crushed or damaged by sharp edges whenever the devices are in operation.

FCC Compliance Statement:
This device complies with Part 15 of the FCC Rules. Operation is subjected to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation**.**

Products with CE Marking comply with EMC Directive (2004/108/EC) Issued by the Commission of the European Community. Compliance with these directives implies conformity to the following European Norms:
EMC: EN55024
LVD:EN60950

FCC/CE WARNING

This equipment has been tested and found to comply with limits for a Class B digital device, pursuant to Part 15 of the FCC rules These limits are designed to provide reasonable protection against harmful interference in residential installations. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.
However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interferenc to radio or television equipment reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
-Reorient or relocate the receiving antenna.
-Move the equipment away from the receiver.
-Plug the equipment into an outlet on a circuit different from that to which the receiver is connected.
-Consult the dealer or an experienced radio/television technician for additional suggestions.

You are cautioned that any change or modifications to the equipment not expressly approved by the party responsible for compliance could void Your authority to operate such equipment.

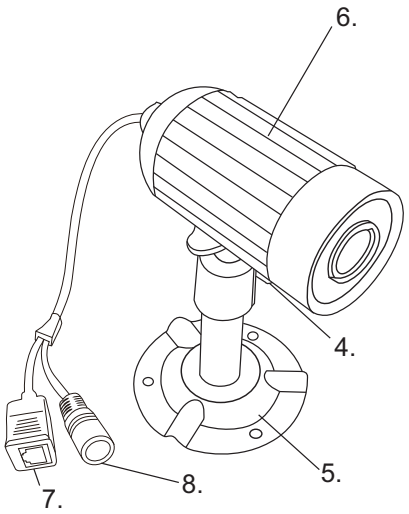
Disposal

If the camera system no longer functions or can no longer be repaired, it must be disposed of according to the valid statutory regulations. Disposal of spent batteries / accumulators:

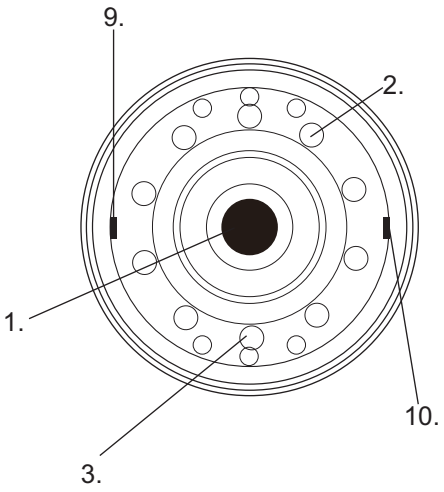
You are required by law (Battery Ordinance) to return all spent batteries and accumulators. Disposing of spent batteries/accumulators with common household waste is prohibited! Batteries/accumulators that contain hazardous substances are marked with the symbols on the side. These symbols indicate that it is prohibited to dispose of these batteries/ accumulators in the household waste.
The abbreviations for the respective heavy metals are: Cd= cadmium, Hg= mercury, Pb= lead. You can return spent batteries and accumulators that can no longer be charged to the designated collection points in your community, outlets or wherever batteries or accumulators are sold. Following these instructions will allow you to fulfill the legal requirements and contribute to the protection of our environment!

Knowing the Camera

IP Camera



1. Camera Lens
2. IR LED
3. EDS
4. T-bolt
5. Camera stand
6. Weather-proof body
7. RJ45 Port
8. DC IN
9. Data Transmission LED (RED)
10. Link LED(Green)



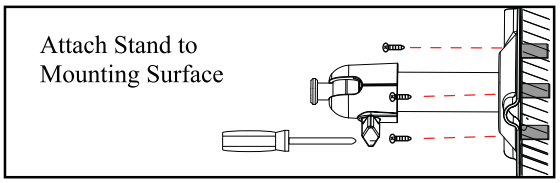
Camera Installation:

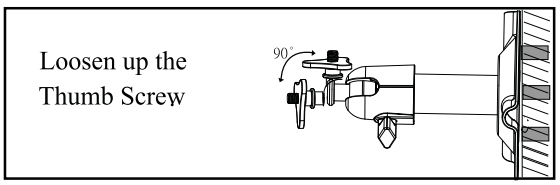
Select a suitable installation and monitoring site. A suitable installation site has the following features:

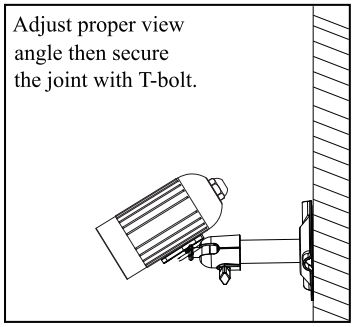
- Dry
- Good Air Circulation
- As Dust-Free as Possible
- Electrical Outlet in Close Vicinity
- Solid Surface wiithout Vibration

☞ Camera should not directly face the sun or other bright light.

☞ Prior to mounting the camera, it is recommended that you test the operation and location of the camera.

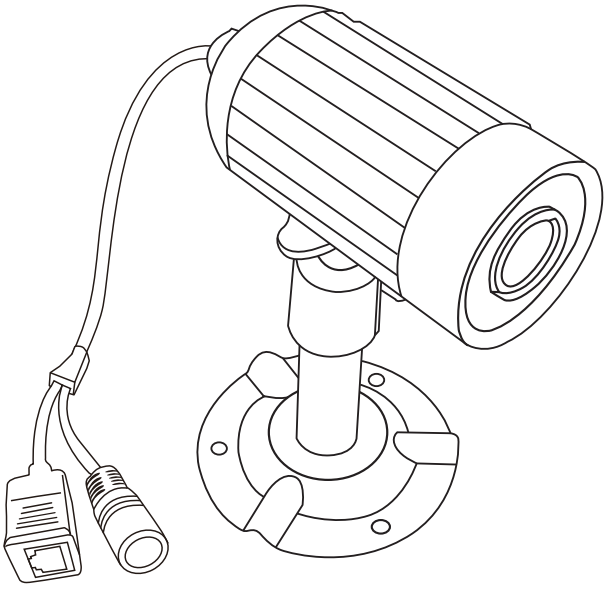






Fastening the wall bracket

- Select the desired mounting place (near power outlet if possible)
- Use supplied screws to attach wall bracket to wall or suitable platform. Use dowels if necessary.
- Align the camera and screw the T - bolt tight.



Legal & Security Warnings

Be sure to comply with the country or local laws in regards to publishing recorded images / videos or surreptitious viewing and videos monitoring. Users are responsible for the secure of camera ID & passwords; and we strongly recommend all users setup user's ID & password

Read this instructions before you begin

During the installation, the software will test your PC's firewall settings. If prompted to allow access to the network, you should answer "Allow" or "Yes"

1

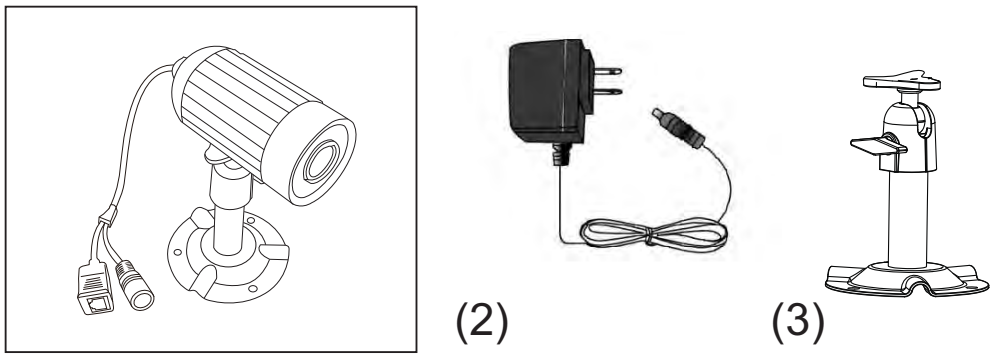
(1) IP Camera
(2) Power adaptor
(3) Camera stand
(4) Network cable
(5) Screws
(6) Software CD
(7) Manual

2 Setup the camera
(1) Follow the instruction to assemble the stand and also onto the camera
(2) The camera can be placed on flat surface or mounted up on ceiling or wall

3 Set up
(3a) Connect the camera to power adaptor and network cable
(3b) or (3c) Connect the other end of the network cable to LAN port on internet router or Wireless internet device

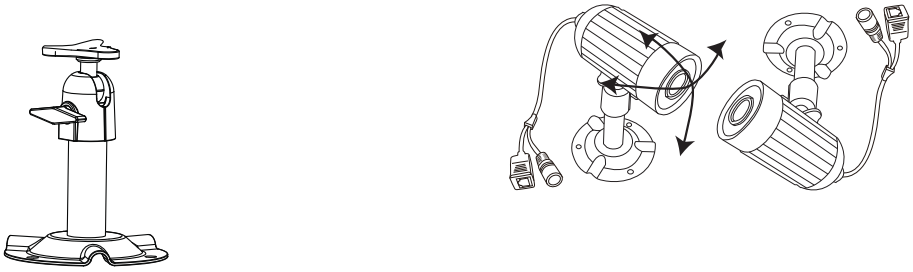
! This product requires a common subnet environment supported by Router. Look for WAN port on your internet device; if no such port, please acquire a Router that has a WAN port build in and then connect the camera with the router's LAN port.

1

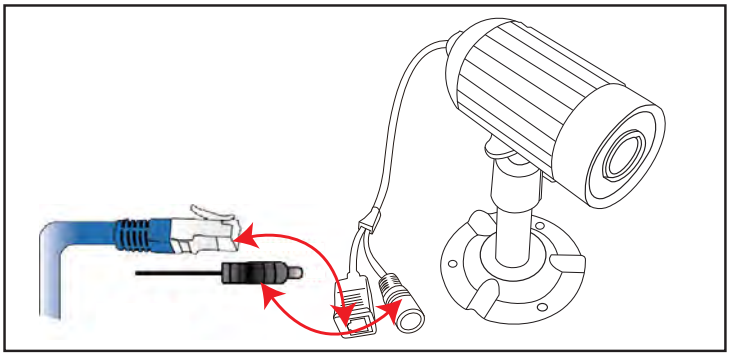


2

(1) (2)



3 a



3 b **3 c**

Product Specification

System Specification	
Sensor Type	1/4" Color CMOS sensor
Picture Element	640x480 pixels
Lens	3.6 mm
Viewing Angle	H:53° V: 40°
Video Resolution	VGA/CIF/QCIF
Frame Rate/Sec.	VGA@15FPS/CIF & QCIF@25 FPS
Compression Format	M-JPEG
Weather-proof housing	IP-66
Number of IR LEDs	10
Night-viewing Range	Up to 5 Meters
Internal Connection	LAN
Network protocols	TCP/IP, UDP, uPnP, DHCP
Camera Housing	Metal Camera housing & Stand
Power Consumption	IR Off: 190 mA/ IR-On: 330 mA
Dimension (Without Stand & Cable)	84 Ø 41.5mm
Weight (Without Stand)	188 gm
IR-Cut Filter	Built-in

1. Sec24 Security System

Sec24 Security System is a PC software that allow users to view video of IP cameras on PC from local or remote location via Internet connection, this system also provide advances features like camera configuration, video recording to PC, alarm and E-mail alert functions.

1.1 How to install

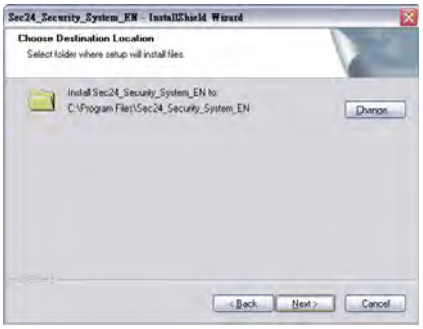
Insert the software CD to your CD-R device, start the PC software installation according to your language by check the disc content and click the "Sec24 Security System_EN" file to open the start up page.

After launching the software setup program then follow the steps below to complete the installation.

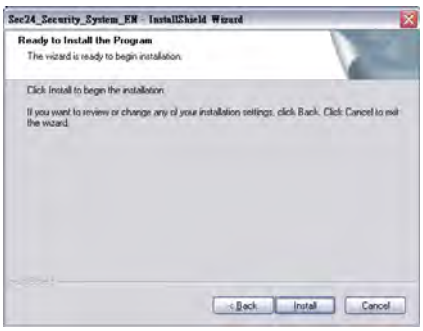
1.1. 1 Click "**Next**" to start the installation.

Sec24_Security_System_EN - InstallShield Wizard
Welcome to the InstallShield Wizard for Sec24_Security_System_EN
The InstallShield Wizard will install Sec24_Security_System_EN on your computer. To continue, click Next.
< Back
Next >
Cancel

1.1. 2 Click "**Next**"



1.1. 3 Click "**Install**"

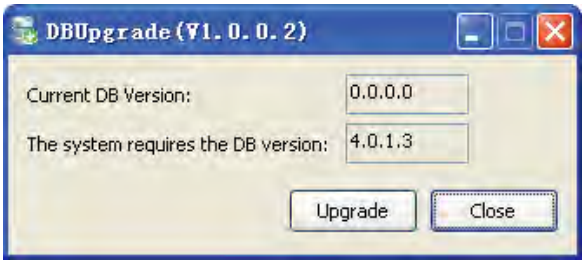

Sec24_Security_System_EN - InstallShield Wizard
Ready to Install the Program
The wizard is ready to begin installation.
Click Install to begin the installation.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
< Back
Install
Cancel

1.1. 4 Click "**Finish**" to complete Sec24 Security System installa on.

Sec24_Security_System_EN - InstallShield Wizard
InstallShield Wizard Complete
The InstallShield Wizard has successfully installed Sec24_Security_System_EN. Click Finish to exit the wizard.
< Back
Finish
Cancel

Run DB Upgrade Tool to check if your application is ready for an upgrade. Click Upgrade if it prompts "**Incompatible database version**" as figure. Then close DB Upgrade Tool and restart IP Cam System.

Tips:
Start Menu→ All Programs→ IP Cam System→ DBUpgrade Tool



1.2 How to Add a device into Sec24 Security System

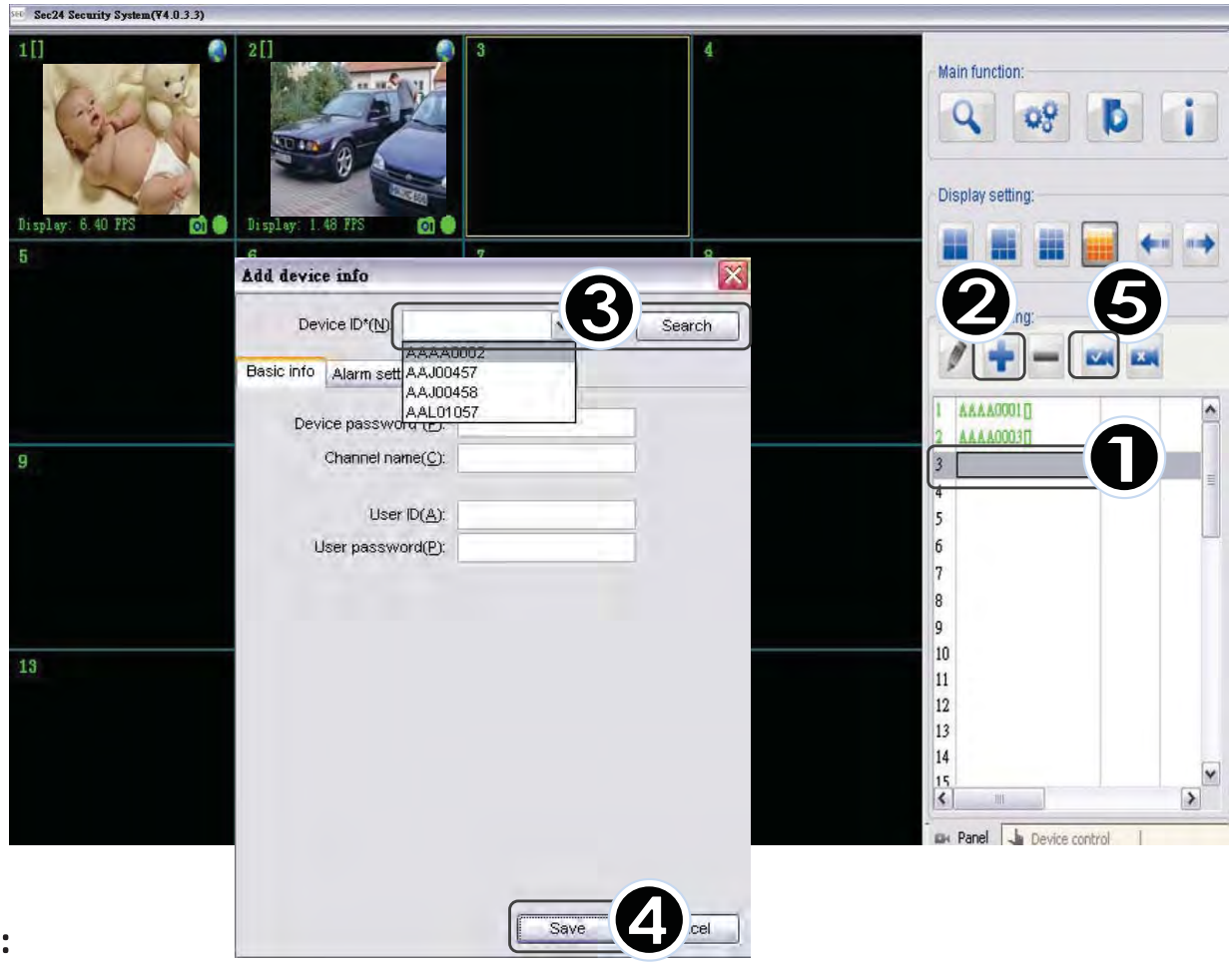
❶ Select an empty channel

❷ Click「 Add a device」

❸ Press 「Search」or type in ID and Password of your device
(Note!!「Search」function can be used under local network only)

❹ Press「Save」

❺ Click「Start all cameras」in IPCam setting



Notice:

1. Device can be searched automatically. Please check the Power LED signal if no device found.

1.3 Video via Internet

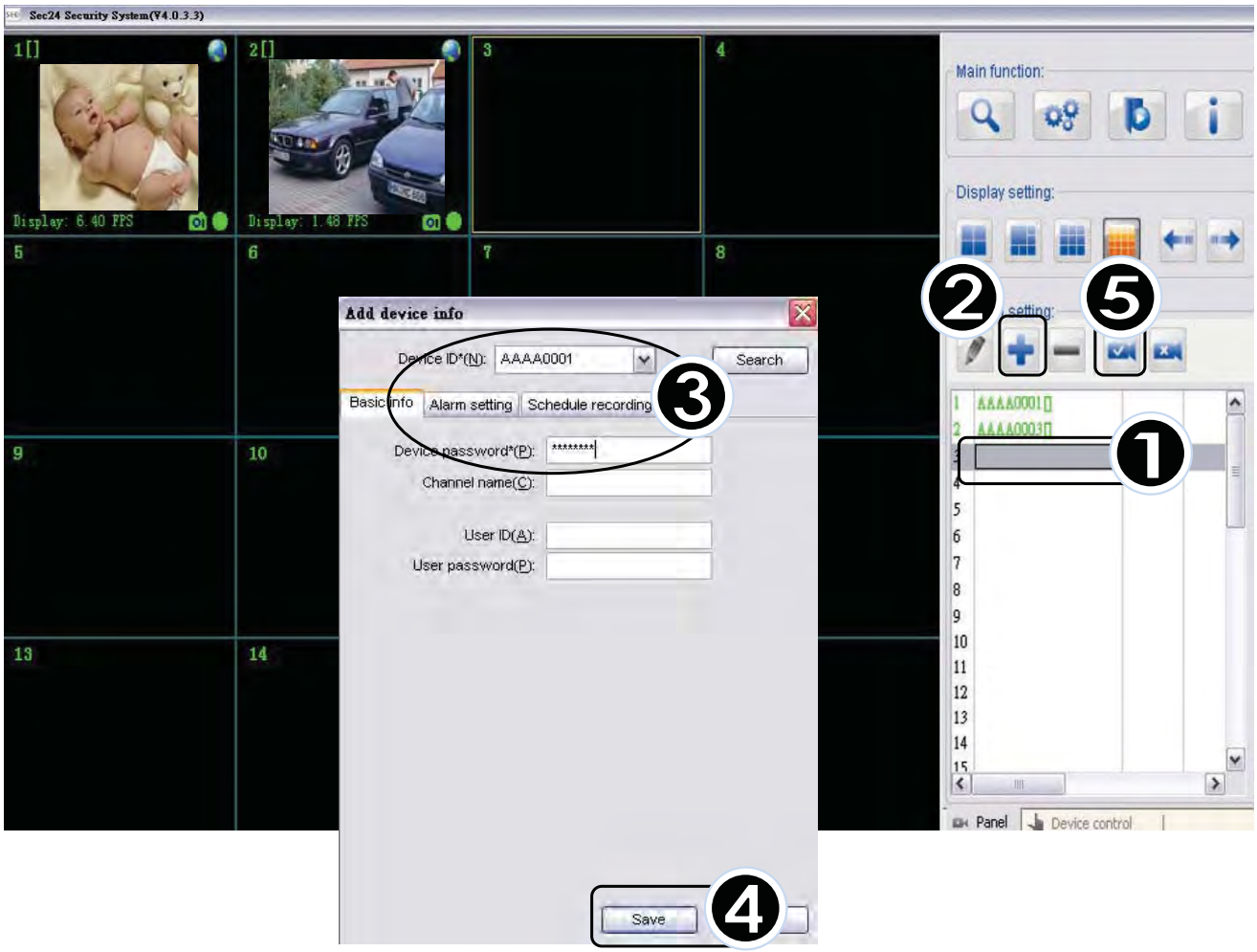
❶ Select an empty channel

❷ Select「 Add one device」

❸ Type in your Device ID/Password」(Printed on the product body)
Type in your「User ID/Password」(Set up by user, can be edited, please refer to Search Tool)

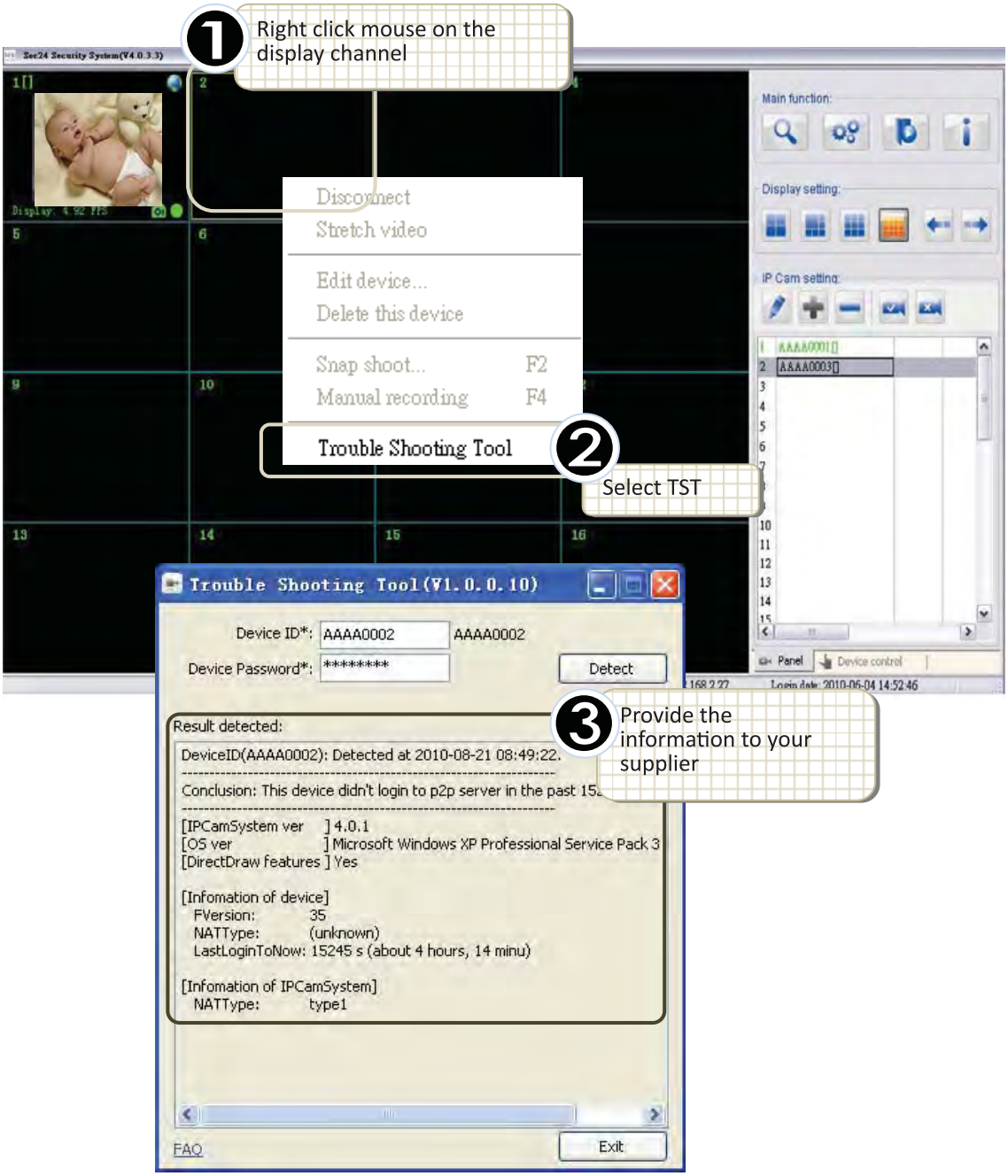
❹ Press「Save」

❺ Click「Start all cameras」in IPCam setting

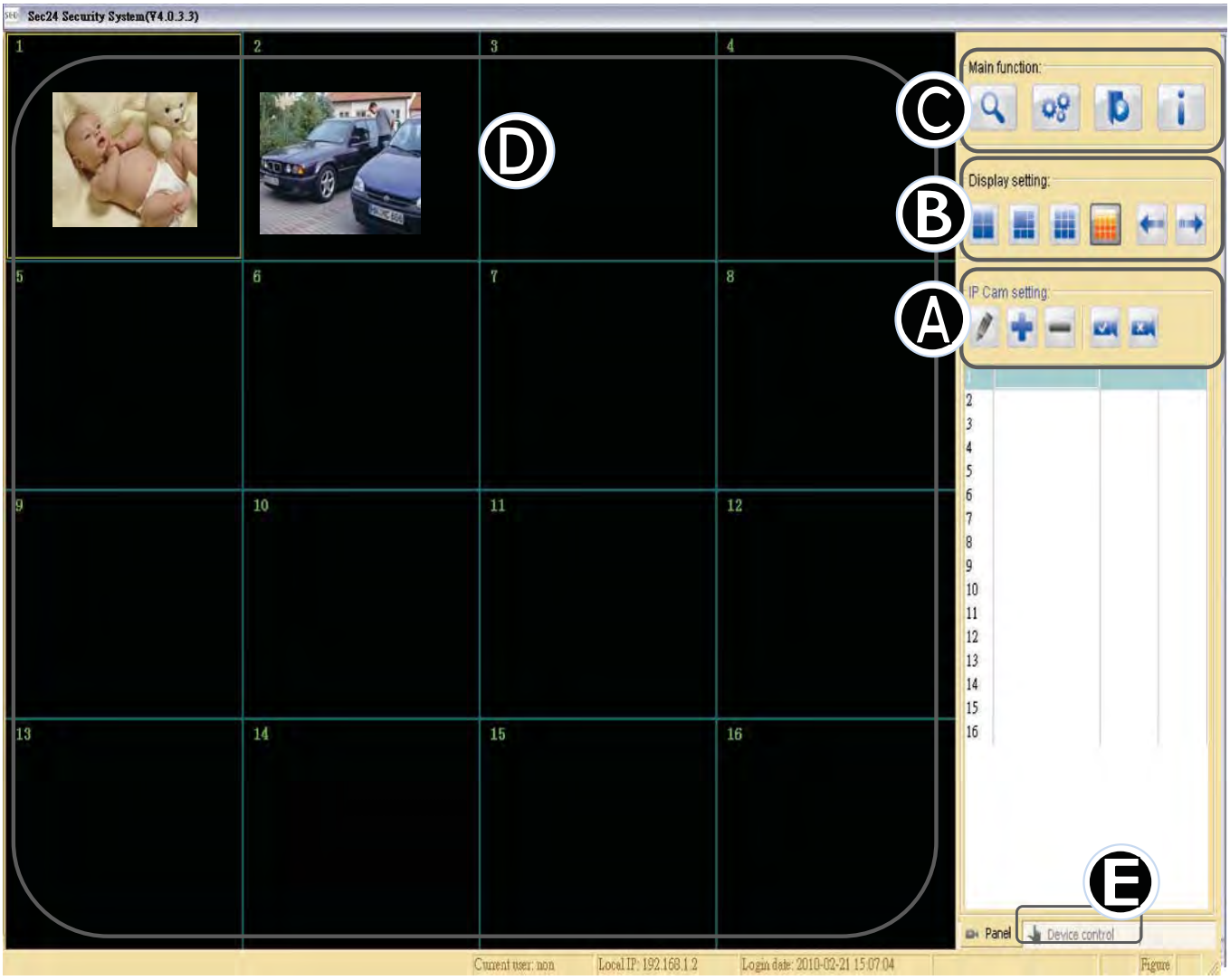


Notice: Make sure the camera is connected to the internet if failed to load video.

If the problem still can't be solved, follow the steps below and provide the information to your supplier.



1.4 How to use Sec24 Security System



A. IP Cam Setting：

Edit Device Setting：
Edit device Basic Info/Alarm Setting /Schedule recording

Add one device：
Add a new device on display channel.

Delete selected device：
Delete the selected device from display channel.

Start all cameras：
Start all connection with camera device.

Stop all cameras：
Stop all connection with camera device.

Edit Device Setting：
Edit device Basic Info/Alarm Setting /Schedule recording

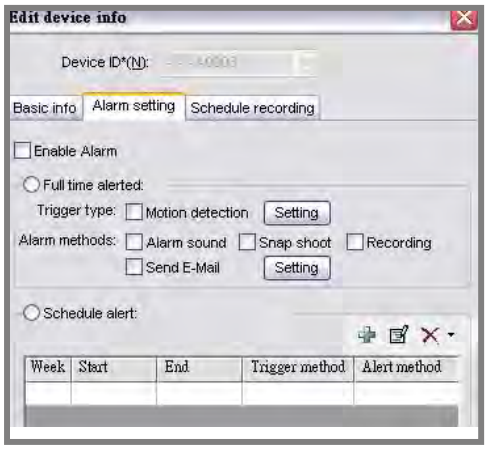
Basic Info

- Device ID: Each individual ID shown on back of IP Cam
- Device Password: Each individual password shown on back of IP Cam
- Channel Name: Edit camera name.
- User ID/User Password

  Each user's personal ID and password

Alarm Setting：

After selecting Enable Alarm, click Motion detection setting to adjust the sensitivity and Email setting.



- Enable Alarm

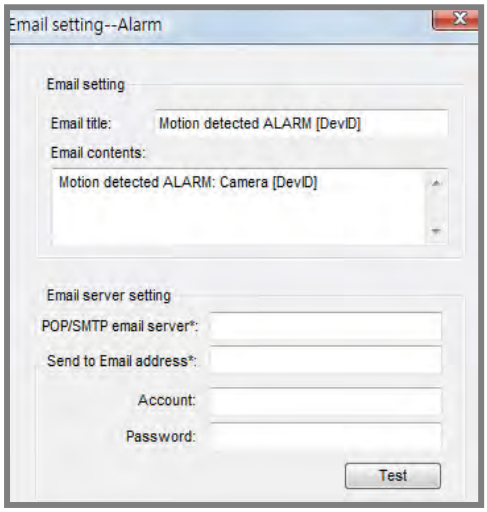
  Set to "Full time alerted" or "Schedule alert"
- Motion detection

  Click "Setting" to adjust motion detection sensitivity

- Alarm Methods

  Alarm sound/Snap shot/Recording/Send Email
- Email setting:

  Refer to your outlook account information of SMTP/Account/Password.



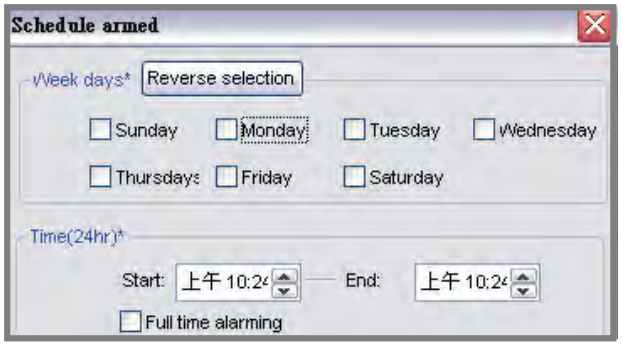
Note! Email alert can work properly only when Internet is connected on PC.

➢ **Schedule Alert**

Add one duration

Edit selected duration

Delete selected duration



Select "Add one duration" to schedule alarm

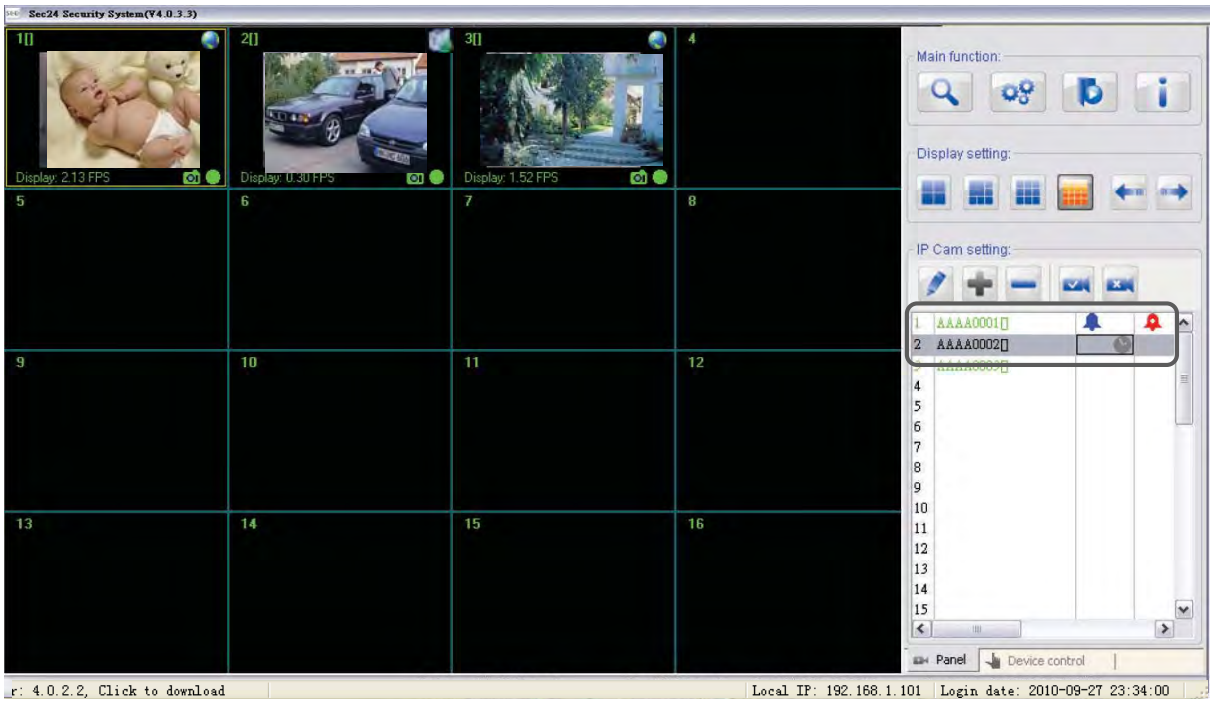
Set days and time or full time alarming

The icons below shows the status on this device

Alarm has been enabled

Alarm detected on channel

Schedule recording



Schedule Recording：

➢ **Select enable schedule recording**

Add one duration

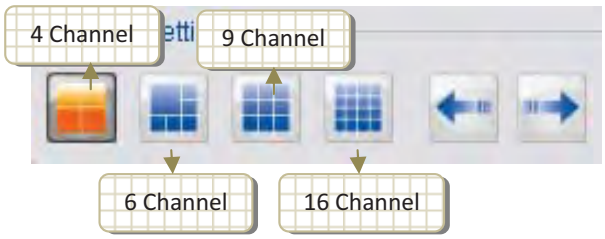
Edit selected duration

Delete selected duration

Select "Add one duration" to schedule recording

Set days and time or full time recording

B. Display Setting



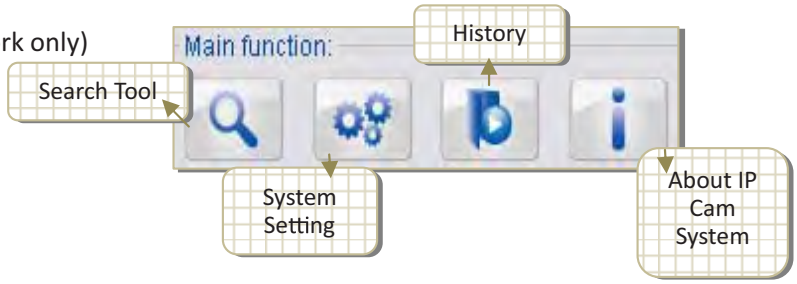
Full Screen Mode:

Double left click mouse of selected channel to switch to full screen mode, double left click again to switch back.

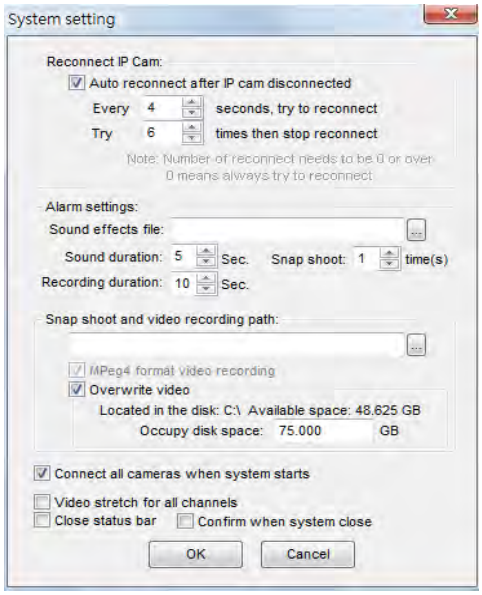
C. Main function

Search Tool：

Use to set up IP Cam (Local network only)



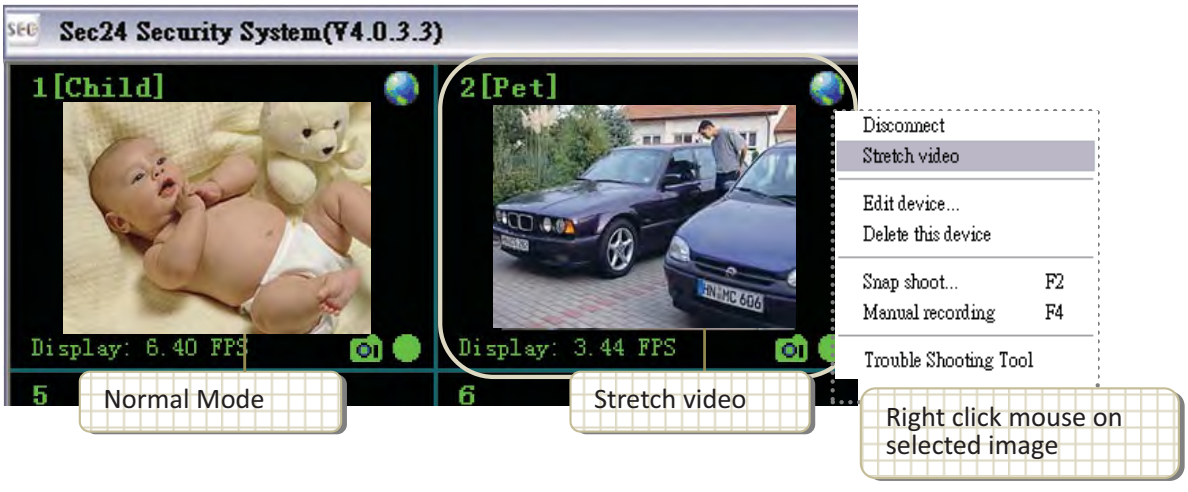
System Setting：


System setting
Reconnect IP Cam:
Auto reconnect after IP cam disconnected
Every 4 seconds, try to reconnect
Try 6 times then stop reconnect
Note: Number of reconnect needs to be 0 or over
0 means always try to reconnect
Alarm settings:
Sound effects file:
Sound duration: 5 Sec. Snap shoot: 1 time(s)
Recording duration: 10 Sec.
Snap shoot and video recording path:
MPeg4 format video recording
Overwrite video
Located in the disk: C:\ Available space: 48.625 GB
Occupy disk space: 75.000 GB
Connect all cameras when system starts
Video stretch for all channels
Close status bar
Confirm when system close
OK
Cancel

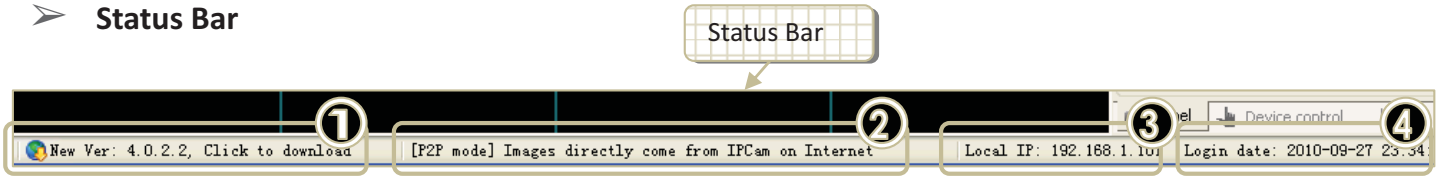
- **Reconnect IP Cam**：
  Auto reconnects IP Cam when disconnected.
- **Alarm Setting**

  Sound effects file：
  Select your preferable sound when alarming.
- **Snap shot and video recording path:**
  Setup save folder for the recorded files and snapshots.

  Overwrite video：
  Set up the occupy disk space.
- **Set up the system start status:**
  video stretch/status bar/confirm when system close
- **Stretch Video**



➢ **Status Bar**



❶ When new version is available, this field will show it. Click to enter download page.

❷ This field shows the link mode of specified video channel. It is a texture description of the icon on the up-right corner of video display.：

[LAN Mode] Your PC and IPCam are on local area network. (icon)

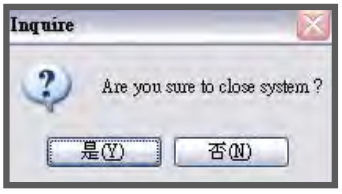
[P2P Mode] Images directly come from IPCam on Internet. (icon)

[Relay Mode] Images go through relay server, under this mode,it is normal that the video fame rate received from IPCAM are slower than in LAN or P2P Mode.(icon)

❸ This field shows PC's IP.

❹ This field shows the date and time when IPCam executed.

➢ **Confirm when system close**



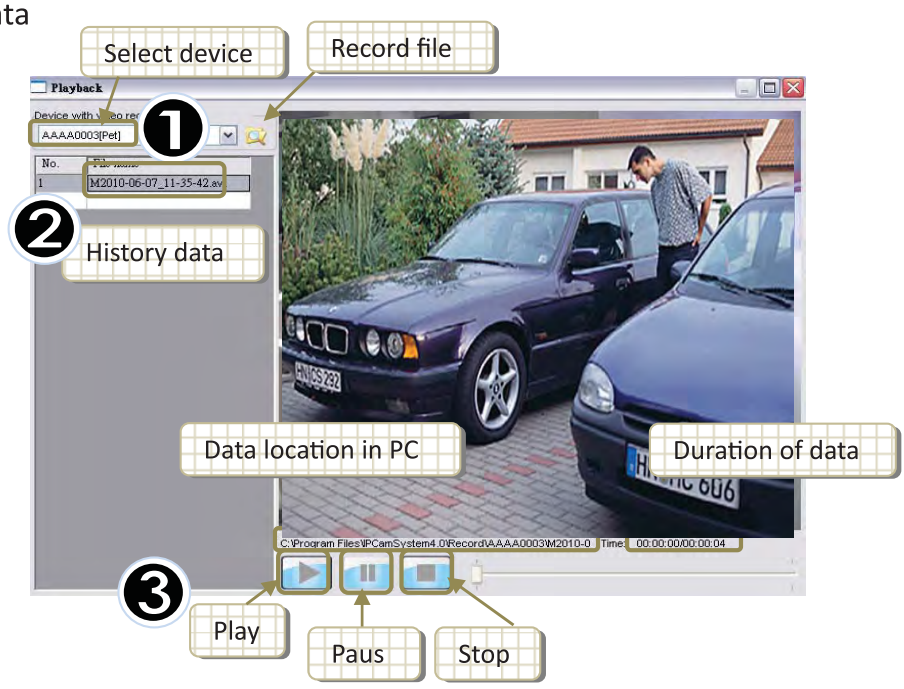
History of video/ snapshot：

Playback video

❶ Select device

❷ Choose history data

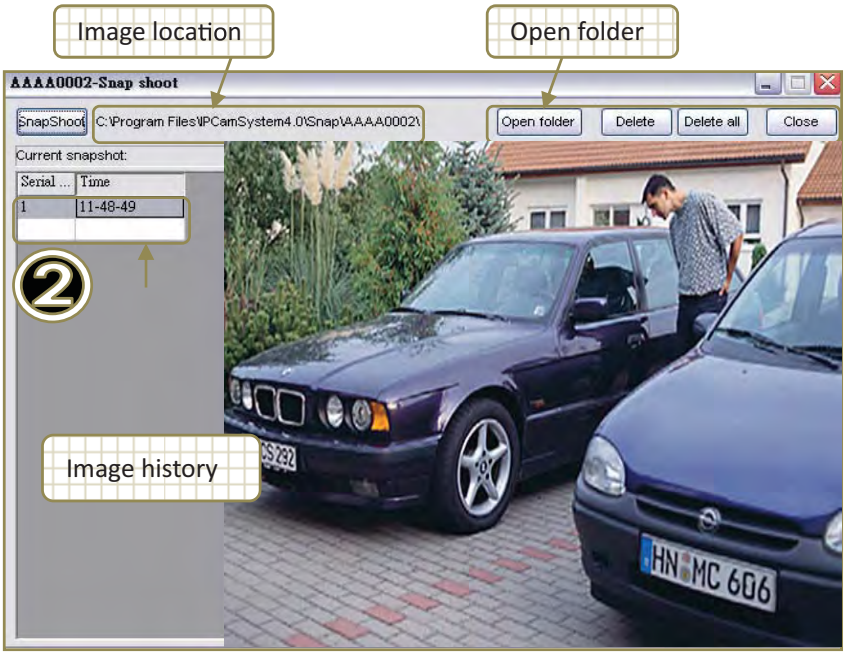
❸ Playback back



History of snapshot

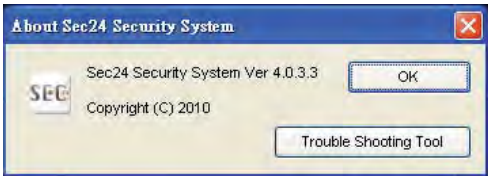
❶ Open snapshot folder or delete image

❷ Select image

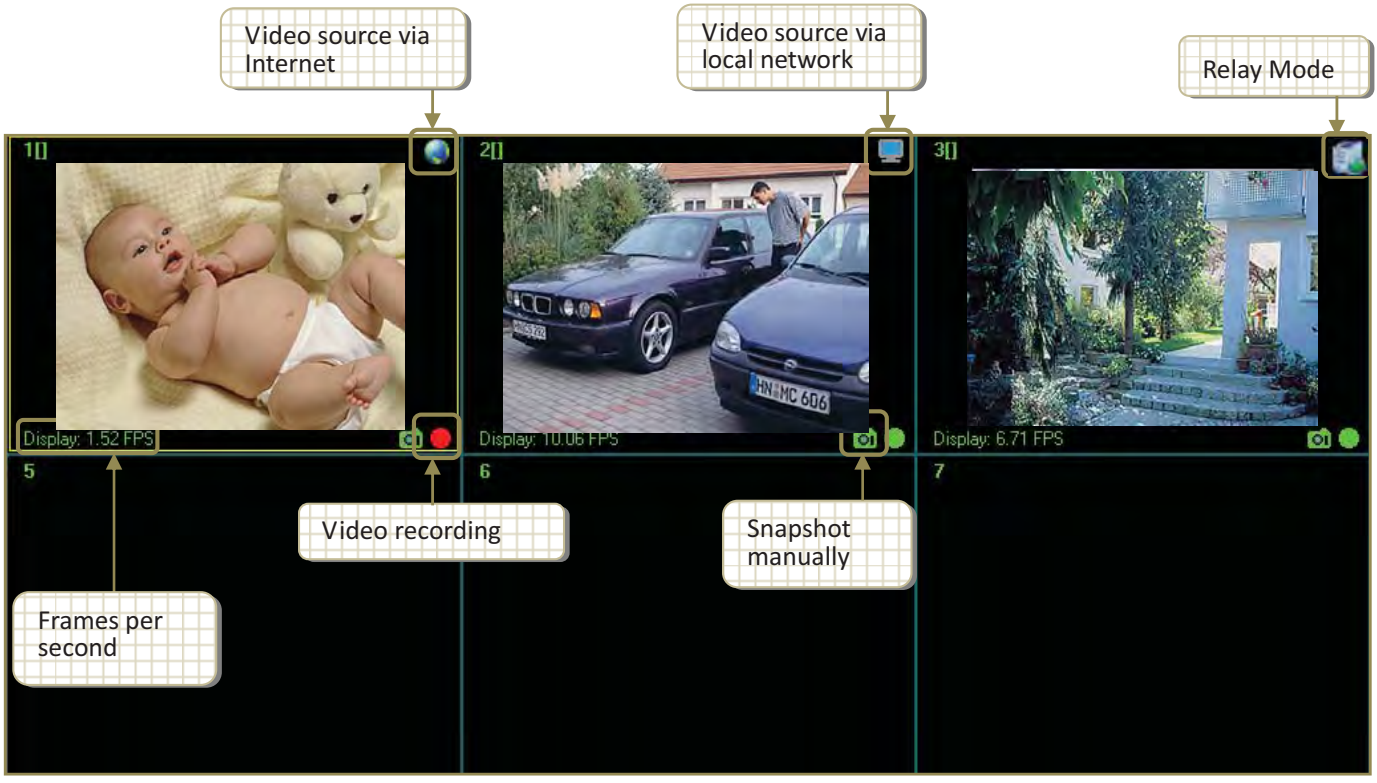


About Sec24 Security System:

Version of your IP Cam System and User's Manual.



D. Display Channels：

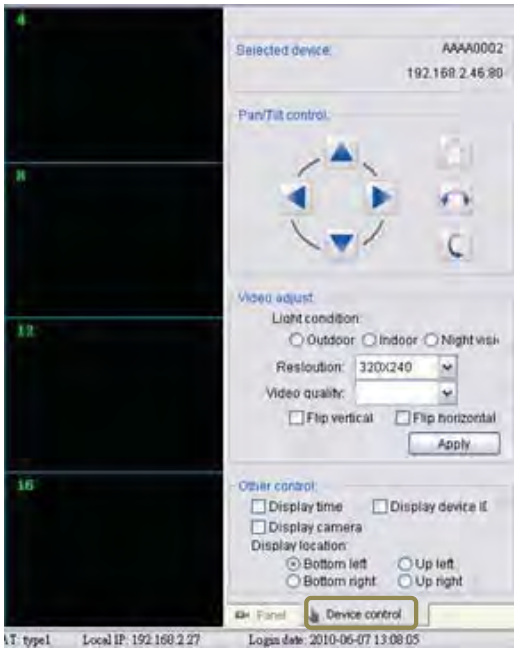


Shortcut function:

Right click on the display channel

- **Disconnect**：
  Disconnect the device.
- **Stretch video**：
  Stretch video display.
- **Edit device**：
  Edit device Basic Info/Alarm Setting and Schedule recording.
- **Delete this device**：
  Delete the selected device.
- **Snapshot**：
  Take picture of the selected device.
- **Manual recording**：
  Start recording instantly.

E. Device Control



- **Selected device**：
  Shows the IP address/ Device ID of the selected camera
- **Pan/Tilt Control**
  For control the camera angle. (For selected model only)
- **Video adjust**：
  Adjust light condition/resolution/video quality.

  Light condition: Indoor/Outdoor/Night vision

  Resolution：640*480/320*240/160*120

  Video quality: From highest to lowest

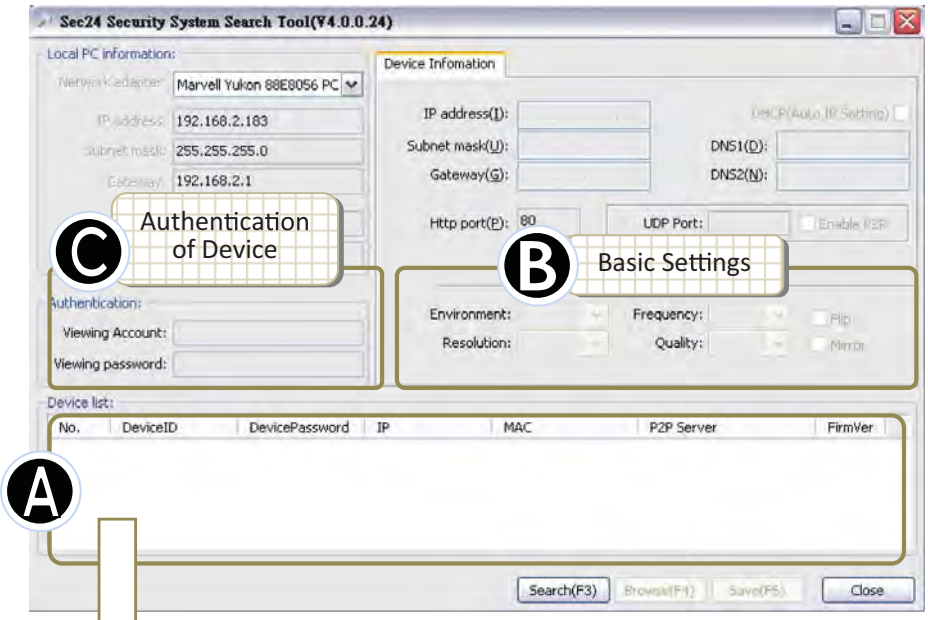
2. Search Tool

2. 1 How to use Search Tool

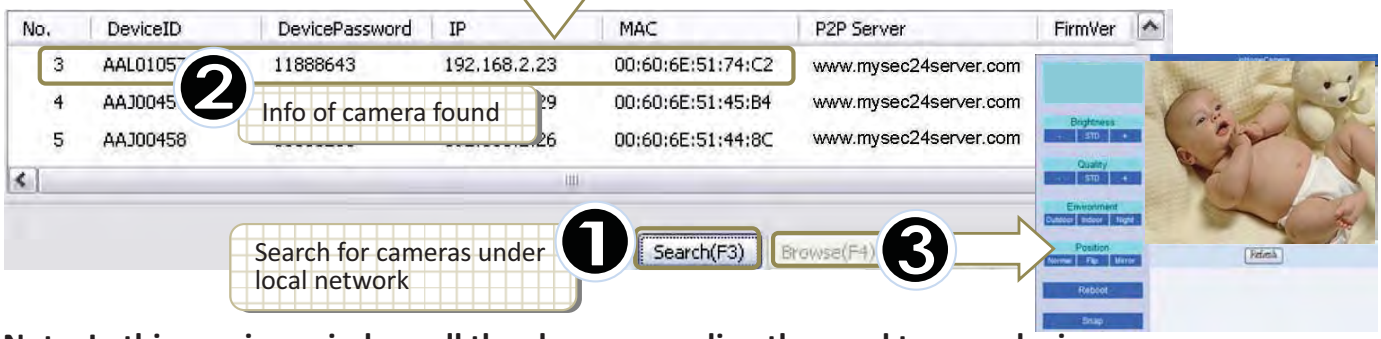
Click "IPCAM Set up"

Search Tool helps setting up your IP cam directly.

Note! This software can be operated under the local network only



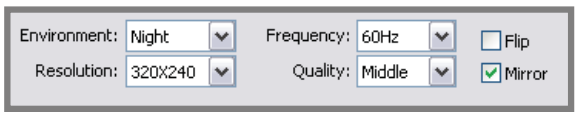
A. Device List



Note: In this preview window, all the changes are directly saved to your device.

- **Brightness**
  Select brightness by clicking on "Low", "Standard", or "High".
- **Quality**
  "+ ": for clear picture and bigger file size
  "—": for less picture quality and smaller file size
- **Environment**
  Please select the "Indoor" or "Outdoor" or "Night" mode, depending on the environment condition.
- **Position: Normal/Flip/Mirror**

B. Basic Settings



Environment: Night/ Indoor/ Outdoor*

Frequency: 50 Hz or 60Hz based on your AC power's frequency.

USA and countries in South America: 60Hz

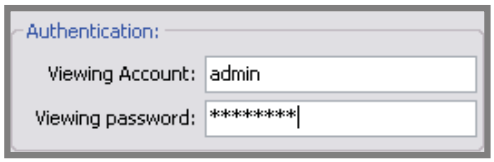
Taiwan: 60Hz

Japan: 50Hz / 60Hz both

Most of countries in European / Middle East / Africa: 50Hz

* Notice:For As this IP Cam is equipped with advanced IR-cut filter switcher to automatic day/night filter switching, it is suggested to set the setting to "Night" mode for , for optimal viewing result.

C. Authentication

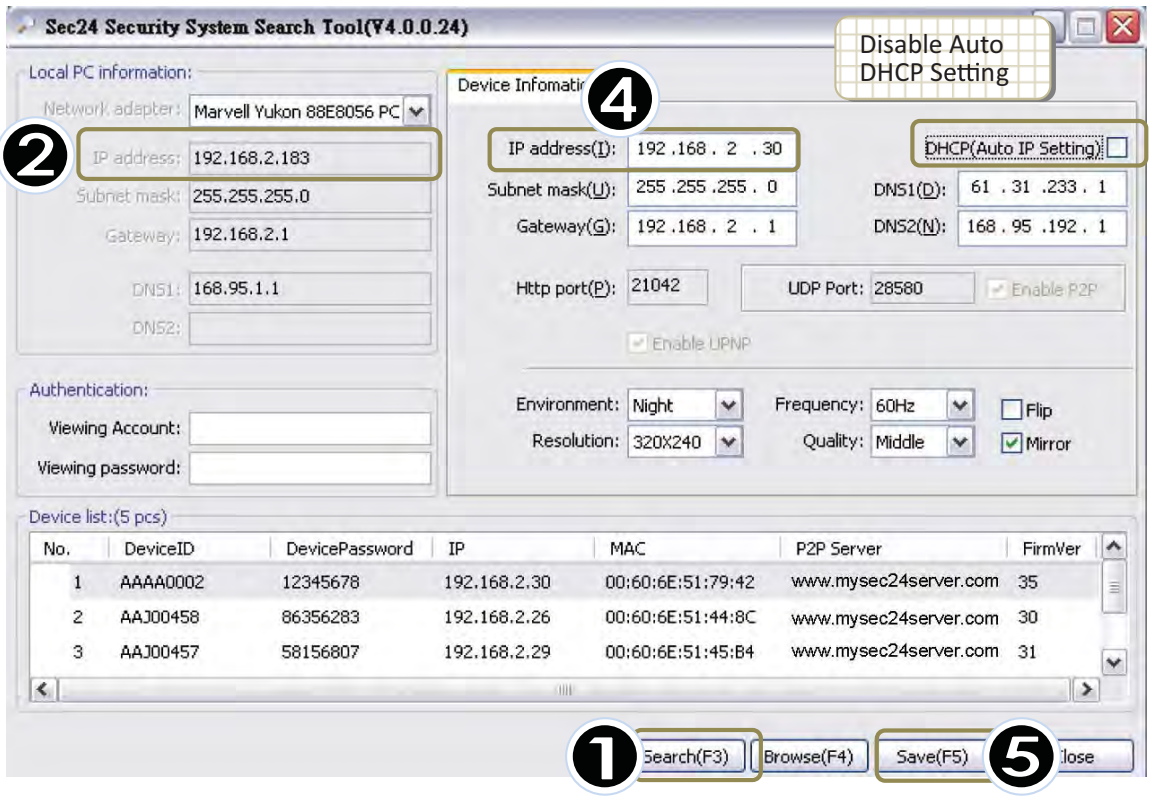


Set up your personal account and password. Once been set, It can only be changed or deleted under local network.

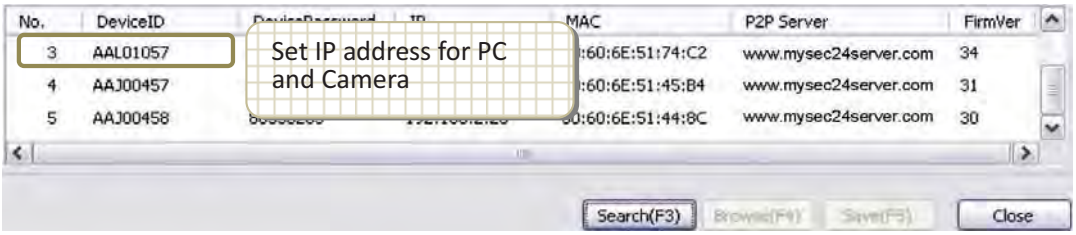
Notice: User Authority is for the security use, we strongly suggest you to set up your own ID and password once you begin to use the product.

2. 2 Connect IP Cam and computer

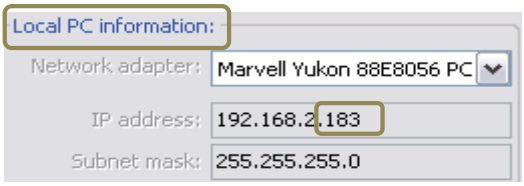
Use Search Tool to start the connection

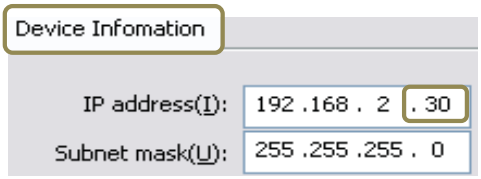


❶ **Please click "search", then select an "IP cam" on the list.**



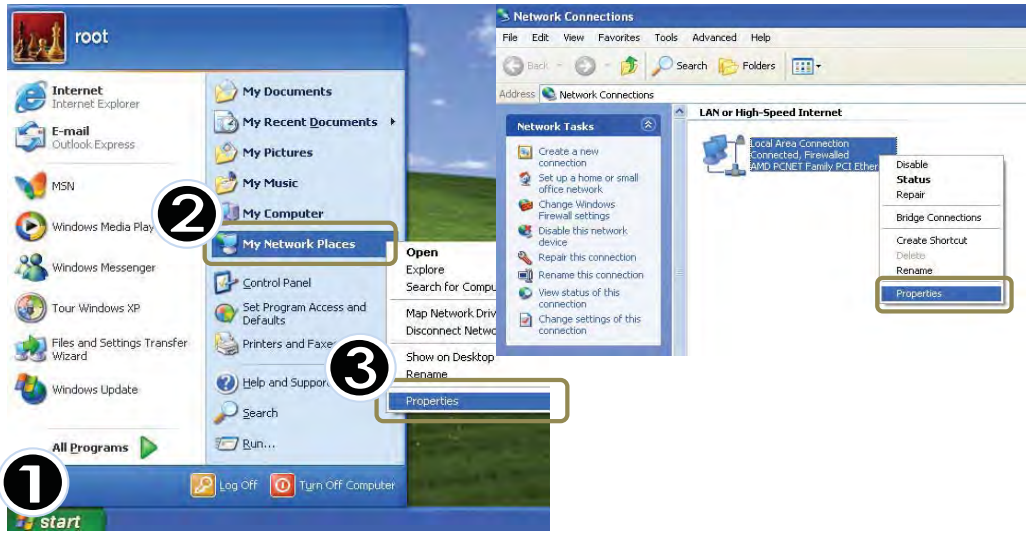
❷ **Make sure the IPs of LAN and IPCAM are the same, except the last block**

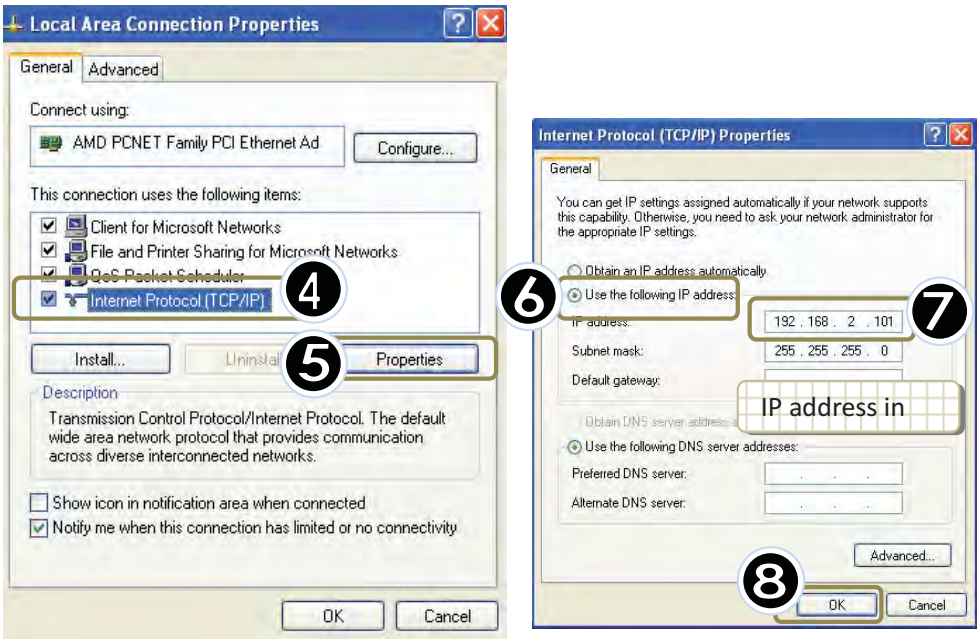




Changing IP Address in Windows

Click **Start**button→Right click **My Network Places** icon→click **Properties**→Right click **Local Area Connection** icon→Click **Properties**→click **Internet Protocol[TCP/IP]** icon→click **Properties**





3. IP Cam Mobile

Please download the dedicated video monitoring software for Apple OS4 and Android operation system.

For iPhone, make a software search from APP store and look for “ MySec24 Lite ” then install the software to the phone accordingly.

For smart phone with Android system, make a software search from Android Market and look for “ MySec24 Lite ”, then install the software to the phone accordingly.

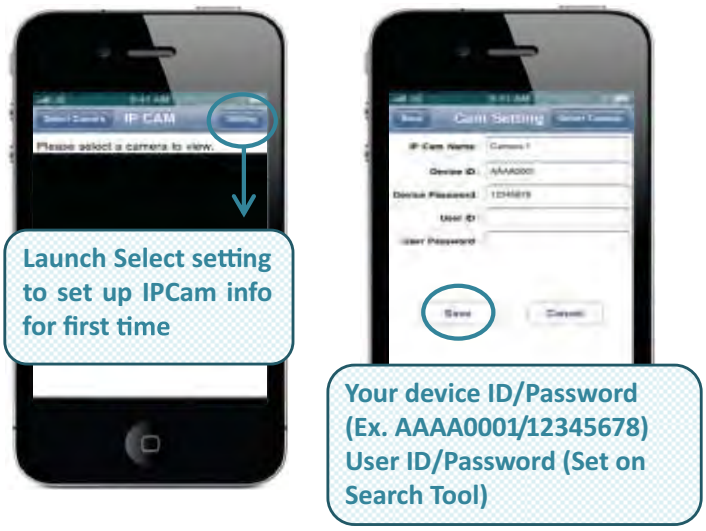
Please refer to the example for iPhone Android phone below and refer to the user’s manual of your phone for more operation details.

- ## Video monitoring on iPhone

To use the App Store, iPhone must be connected to the Internet.

MySec24 Lite is free; you can download it without charge.

Once you download it, it’s immediately installed on your iPhone. Then follow the steps below:


Launch Select setting to set up IPCam info for first time
Your device ID/Password (Ex. AAAA0001/12345678) User ID/Password (Set on Search Tool)

• Video monitoring on Android Phone

To use the Android Market, Android phone must be connected to the Internet.

Mysec24 Lite is free; you can download it without charge.

Once you download it, it's immediately installed on your Android phone.Then follow the steps below:

Download AP Software From Android "Market"

Install AP Software to your Android Phone

AP Software Installation in progress

Run AP Software & press "Add" to add IP Camera

Key in ID & PWs Of the IP CAM

Save these settings For instant Viewing

Live video from IP CAM are now show in screen

Press snapshot will save Photo to phone memory